

- PLATE XVII. Fig. 1, 2. *Plumularia falcata*. Fig. 3. The vesicle magnified. Fig. 4, 5. *Pl. pinnata*, of the natural size and magnified.
- PLATE XVIII. Fig. 1, 2. *Plumularia pennatula*, from a specimen presented to me by J. E. Gray, Esq. Fig. 3, 4, 5. *Pl. setacea*, 4, is from specimens sent from Cork by Mr Thompson.
- PLATE XIX. Fig. 1, 2, 3. *Plumularia cristata*. Fig. 4, 5. *Pl. myriophyllum*, from a Devonshire specimen given to me by Dr Coldstream.
- PLATE XX. Fig. 1. A variety of *Plumularia cristata*. Fig. 2, 3. *Plum. frutescens*: specimen from Mr Bean.
- PLATE XXI. Fig. 1, 2. *Laomedea geniculata*. Fig. 3, 4. *Laomedea gelatinosa*.
- PLATE XXII. Fig. 1, 2. *Laomedea dichotoma*, nat. size and magnified. Fig. 3, 4. *Campanularia verticillata*.
- PLATE XXIII. Fig. 1. *Laomedea gelatinosa*, variety, from a specimen in the collection of Dr Coldstream. Fig. 2. *Campanularia? dumosa*, variety. Fig. 3. The same magnified. Fig. 4. *C? dumosa*. Fig. 5. The same magnified.
- PLATE XXIV. Fig. 1, 2, 3, 4. *Virgularia mirabilis*, from specimens sent to me by Dr Coldstream. Fig. 5, 6. The same, copied from Muller.
- PLATE XXV. Fig. 1. *Gorgonia verrucosa*, reduced one half. Fig. 2. *Gorg. placomus*, copied from Ellis. Fig. 3. *Gorg. anceps*, also copied from Ellis.
- PLATE XXVI. *Alcyonium digitatum*, nat. size, with its polypes fully expanded.
- PLATE XXVI.\* *Alcyonium digitatum*. Fig. 1. The Polype as it appears when fully extruded and seen through a magnifier. Fig. 2. The Polype when about to develop itself, and about one-third protruded. Fig. 3. A view of the oral disk after the animal has been killed by immersion in fresh water, and the piece placed between two plates of glass. Fig. 4. A view of the upper part of the body compressed between plates of glass. Fig. 5. A view of a transverse section of the polypidom, highly magnified, shewing the longitudinal canals cut across, and the ova in them. Fig. 6. A cell still more highly magnified to shew the development of the ova. Fig. 7. The spicula.
- PLATE XXVII. *Actinia gemmacea*, natural size.
- PLATE XXVIII. *Actinia Dianthus*.
- PLATE XXIX. Fig. 1. *Vesicularia spinosa*, a small and perfect specimen. Fig. 2. Specimens of the same as they are found when cast on the shore. Fig. 3. A portion of the same magnified; the cells have fallen off. Fig. 4. A portion with the cells remaining: copied from Thompson. Fig. 5, 6. *Valkeria imbricata*. Fig. 7, 8, 9. *Valkeria pustulosa*. For the specimens which furnished these figures I am indebted to Mr Thompson.
- PLATE XXX. Fig. 1, 2. *Crisia cornuta*. Fig. 3, 4. *Crisia eburnea*. Fig. 5, 6. *Cr. luxata*. Fig. 7, 8. *Anguinaria anguina*. Fig. 9, 10. *Hippothoa catenularia*.
- PLATE XXXI. Fig. 1, 2, 3. *Tubulipora patina*. Fig. 4, 5, 6. *Tubulipora serpens*. Fig. 7, 8. *Tubulipora Obelia*. Fig. 9, 10, 11. *Discopora hispida*. Fig. 12, 13. *Notamia loriculata*.
- PLATE XXXII. Fig. 1, 2. *Cellepora pumicosa*, nat. size. Fig. 3. The same